



EXPRESS MAIL NO. EV336651854US

PATENT

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

Applicants : Charles Stone et al.  
Application No. : 10/738,914  
Filed : December 17, 2003  
For : ION EXCHANGE MEMBRANE FOR AN ELECTROCHEMICAL FUEL CELL

Art Unit : 1745  
Docket No. : 130109.511  
Date : May 25, 2004

Mail Stop Missing Parts  
Commissioner for Patents  
P.O. Box 1450  
Alexandria, VA 22313-1450

INFORMATION DISCLOSURE STATEMENT

Commissioner for Patents:

In accordance with 37 C.F.R. §§ 1.56 and 1.97 through 1.98, applicants wish to make known to the U.S. Patent and Trademark Office the references set forth on the attached form PTO-1449 (copies of the cited references are enclosed). As to any reference supplied, applicants do not admit that it is "prior art" under 35 U.S.C. §§ 102 or 103, and specifically reserve the right to traverse or antedate any such reference, as by a showing under 37 C.F.R. § 1.131 or other method. Although the aforesaid references are made known to the Patent and Trademark Office in compliance with applicants' duty to disclose all information they are aware of which is believed relevant to the examination of the above-identified application, applicants believe that their invention is patentable.

Please acknowledge receipt of this Information Disclosure Statement and kindly make the cited references of record in the above-identified application.

Applicants believe this Information Disclosure Statement has been timely filed, however, the Director is authorized to charge any fee due by way of this Information Disclosure Statement to our Deposit Account No. 19-1090.

Respectfully submitted,  
Seed Intellectual Property Law Group PLLC



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Enclosures:

Form PTO-1449  
Cited References (9)

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FORM PTO-1449  
(REV.7-80)

MAY 25 2004

U.S. DEPARTMENT OF COMMERCE  
PATENT AND TRADEMARK OFFICEINFORMATION DISCLOSURE STATEMENT  
(Use additional sheets if necessary)

ATTY. DOCKET NO.

130109.511

APPLICATION NO.

10/738,914

APPLICANTS

Charles Stone et al.

FILING DATE

December 17, 2003

GROUP ART UNIT

1745

## U.S. PATENT DOCUMENTS

| *EXAMINER INITIAL |    | DOCUMENT NUMBER | DATE | NAME | CLASS | SUBCLASS | FILING DATE IF APPROPRIATE |
|-------------------|----|-----------------|------|------|-------|----------|----------------------------|
|                   | AA |                 |      |      |       |          |                            |
|                   | AB |                 |      |      |       |          |                            |
|                   | AC |                 |      |      |       |          |                            |
|                   | AD |                 |      |      |       |          |                            |
|                   | AE |                 |      |      |       |          |                            |
|                   | AF |                 |      |      |       |          |                            |
|                   | AG |                 |      |      |       |          |                            |
|                   | AH |                 |      |      |       |          |                            |

## FOREIGN PATENT DOCUMENTS

|  |    | DOCUMENT NUMBER | DATE     | COUNTRY | TRANSLATION<br>YES | NO |
|--|----|-----------------|----------|---------|--------------------|----|
|  | AI | WO 00/15691     | 03/23/00 | WIPO    |                    |    |
|  | AJ | WO 01/19896 A1  | 03/22/01 | WIPO    |                    |    |
|  | AK | WO 01/70857 A2  | 09/27/01 | WIPO    |                    |    |
|  | AL | WO 01/70858 A2  | 09/27/01 | WIPO    |                    |    |
|  | AM | WO 01/71835 A2  | 09/27/01 | WIPO    |                    |    |
|  | AN | WO 01/71839 A2  | 09/27/01 | WIPO    |                    |    |
|  | AO | WO 02/075835 A2 | 09/26/02 | WIPO    |                    |    |

## OTHER PRIOR ART (Including Author, Title, Date, Pertinent Pages, Etc.)

|    |  |   |
|----|--|---|
| AP |  | Chu, D. et al., "Comparative Studies of Polymer Electrolyte Membrane Fuel Cell Stack and Single Cell," <i>Journal of Power Sources</i> 80:226-234, 1999.  |
| AQ |  | Wakizoe, M. et al., "Study of Asahi Chemical Aciplex® S Membrane for Highly Durable PEMFCs," in <i>Proceedings of the 2000 Fuel Cell Seminar</i> , Fuel Cells, Powering the 21 <sup>st</sup> Century, October 30 – November 2, 2000, Portland, OR, pp. 27-30. |
| AR |  |   |

|          |                 |
|----------|-----------------|
| EXAMINER | DATE CONSIDERED |
|----------|-----------------|

\* EXAMINER: Initial if reference considered, whether or not criteria is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant(s).